610 FLOOD WARNING PROGRAM

611 Credit Points:

a.	2. Flood threat recognition system (FTR):	
	(a) (1) Act on NWS warning (20 points):	- <u></u>
	(2) Prediction model (5 or 20 points):	
	(b) (1) Data collection (15 or 20 points):	
	(2) Gage density (10 points):	
	(3) Prediction model (5 or 10 points):	
	FTR = the total of (a)(1) and (2) OR (b)(1) through (b)(3) above:	FTR =
b.	2. Emergency warning dissemination (EWD):	
	(a) Adopted policy (10 points):	
	(b) Outdoor system (15 points):	
	(c) Door to door (30 points):	
	(d) Emergency Alert System (10 points):	
	(e) Telephone (15 points):	
	(f) Cable TV override (10 points):	
	(g) AM transmitters (10 points):	
	(h) Other system:	
	EWD = the total of (a) through (h) above. If the total is greater than 60, then EWD = 60.:	EWD =
c.	2. Other response efforts (ORE):	
	(a) Plan keyed to predicted flood levels (20 points):	
	(b) Plan assigns tasks (10 points):	
	(c) Plan identifies resources needed (20 points):	
	ORE = the total of (a) through (c) above:	ORE =
d.	2. Critical facilities planning (CFP):	
	(a) CFP1 Names and numbers (10 points):	CFP1 =
	(b) CFP2 Warning coordination (20 points):	CFP2 =
	(c) CFP3 Facilities have own plans (20 points):	CFP3 =
e.	SRC	SRC =

Community:	
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Community:

mpact Adjustment:	
Option 1: 1. rFTR = 1.0 2. rEWD =	= 1.0 3. rORE = 1.0 4. rCFP3 = 1.0
Option 2: 1. rFTR = 0.25 2. rEWD =	= 0.25 3. rORE = 0.25 4. rCFP3 = 0.25
Option 3: 1. rFTR = <u>bFTR</u> =	2. rEWD = <u>bEWD</u> =
3. rORE = <u>bORE</u> = _ bSF	·
Credit Calculation:	
cFTR = FTR x rFTR	cFTR =
cEWD = EWDx rEWD	cEWD =
cORE = ORE x rORE	cORE =
cCFP = CFP1 + CFP2 +	- (CFP3 x rCFP3)
SRC	SRC =
Add lines a through e above =	
310 = value above rounded to the nearest	st whole number: c610 =
Enter this value on AW-720-1.	
cilitate verification of this activity, plea emergency manager if other than the C CRS Coordinator	ease provide the names of the CRS Coordinator and CRS Coordinator: Local Emergency Manager
: Fax:	Fax:
SS:	
	Option 1: 1. rFTR = 1.0 2. rEWD Option 2: 1. rFTR = 0.25 2. rEWD Option 3: 1. rFTR = bFTR = bSF = bSF = bSF = bSF = credit Calculation: CFTR = FTR x rFTR x rEWD x rEWD x rEWD x rORE = cCFP = CFP1 + CFP2 + C

Community:	
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Community:

61	4 Credit Documentation:
No	te: If Activity 610 credit has been received before, go to page AW-610-5.
Fl	ood Threat Recognition System (FTR):
1.	Provide a description of the local flood hazards. [Include sources of flooding, areas affected and impact of flooding on the community.] [See Attachment pages]
	If the community does NOT HAVE a description of its flood hazards, FTR=0 and c610=0.
2.	Provide a description of the Flood Threat Recognition System. [Include documentation of early notice of a flood at one or more locations within the community. If appropriate, describe show how the community provides flood forecasts for areas other than the above forecast points.] [See Attachment pages]
3.	If the community or another local agency use rainfall and/or runoff data on a real-time basis and makes flood forecasts from these data, provide a description of the system. [Tell whether the collection system is based on precipitation and/or river gage data that are manually or automatically read and reported, the location gage network density, etc.] [See Attachment pages]
4.	Provide documentation showing the method used to predict downstream arrival time and peak flow or elevations. [See Attachment pages]
5.	If flood warnings are received from another agency,
	Include a description of how the notice is received. [See Attachment pages]
	 Identify local agency procedures for monitoring the system. [Include the written instructions available to the person monitoring the warning system.] [See Attachment pages]
6.	Provide examples of one or more flood forecast notices issued for the community. [See Attachment pages]
7.	Provide documentation of the annual maintenance and testing of the data collection, communications, and data analysis components of the flood threat recognition system. [See Attachment pages]
Er	nergency Warning Dissemination (EWD):
8.	Provide documentation that the local government has adopted an emergency response plan. [See Attachment pages]
9.	Describe the community's program for testing warning dissemination equipment and procedures. [Include the frequency of the test.] [See Attachment pages]

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	Community:
10.	Provide a copy of the adopted policy that specifies when and how a warning is issued. [Include the written procedures that tell warning point personnel when, how and what messages to issue.] [See Attachment pages]
11.	If the community uses either a sound or siren system to disseminate flood warnings, provide a map showing the location of the sirens and the coverage area where they can be heard inside a closed building during storm conditions. [See Attachment pages]
12.	If the community uses door-to-door contact or a mobile public address system for flood warning, provided documentation describing how the tasks are organized and conducted. [See Attachment pages]
13.	If the community's response plan includes flood warning using the Emergency Alert System, provide a copy of the community's activation policies, procedures, and example messages. [See Attachment pages]
14.	If a telephonic system is used to warn all residents in the SFHA, provide documentation describing how and when the system is updated, and its backup system for warning residents when there is no telephone answer provided. [See Attachment pages]
15.	If the community uses a cable television override system for flood warning, provide documentation of its procedures for activating the system. [See Attachment pages]
16.	If the community has established local AM radio transmitters used for public warning announcements, provide documentation on the procedures for their use. [See Attachment pages]
17.	If the community has other warning methods not described above, these may be submitted for credit evaluation. [See Attachment pages]
Otl	her Response Efforts (ORE):
18.	Provide a copy of those sections of the local emergency operations plan, flood response plan, standard operating procedures and other documentation that show how the local government responds to floods. [See Attachment pages]
Cri	tical Facilities Planning (CFP):
19.	If the community maintains the names and telephone numbers of the operators of ALL critical facilities affected by flooding, provide documentation that this information is updated at least annually. [See Attachment pages]
20.	If the community provides special flood warnings or early notifications directly to ALL facilities that need them, provide a copy of the section of the adopted plan that describes these arrangements and how they are implemented. [See Attachment pages]
21.	Provide a list of critical facilities that need flood response plans. Identify those critical facilities with flood response plans that have been developed, reviewed, or accepted by the community. [Note: The local government may be asked to provide one or more of the plans on the list to the technical reviewer.] [See Attachment pages]

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Community:

Су	cle verification of previously credited flood warning program				
22.	What is the date of the current flood warning program (Emergency Operations Plan)? If this date is more recent than the date of the plan used for the previous verification, obtain a copy of those portions related to flood warning and flood operations. Send these materials for technical review. [See Attachment]				
23					
23.	Has there been a flood insurance restudy since the last verification?YesNo				
	A. If yes, did the new Flood Insurance Study add streams to the SFHA? YesNo				
	B. Have these new streams been included in the flood warning program? Yes. Provide a description of the flood threat recognition system for these areas. Tell how many SFHA buildings are covered by the expanded warning area. [See Attachment]				
	No. What percentage of the SFHA buildings are located in the area not covered by flood forecast with peak flow or elevation data?				
24.	Has there been a flood since the last verification that resulted in the loss of life or \$50,000 in damage?YesNo				
	A. Was a flood warning evaluation report prepared?YesNo If yes, attach a copy of the report to this form. [See Attachment]				
	B. Were changes made to the flood warning program as a result of the evaluation report? YesNo If yes, attach a copy of the changes to this form. [See Attachment]				
25.	Has the flood warning program been modified since the last verification for other reasons? YesNo				
26.	Have emergency warning dissemination methods been added, deleted or modified since the last verification?YesNo				
27.	Has the local government's area of jurisdiction changed since the last verification?				
	A. If yes, do the changes add SFHA to the community's area of jurisdiction? YesNo If yes, mark these new areas on the FIRM and attach. [See Attachment]				
	B. If yes, have these new streams been included in the flood warning program? Yes. Provide a description of the flood threat recognition system for these areas. [See Attachment]				
	No. What percentage of the SFHA buildings are located in the area not covered by flood forecast with peak flow or elevation data?				

Community:	
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	Community :
28. If the l	ocal government requested credit for critical facilities planning,
A.	How many critical facilities within the community's jurisdiction need advanced warning for a flood event?
В.	How many critical facility managers receive the advanced warning they have identified they need to prepare for a flood? Send a list of critical facilities with their required warning time and contact information for technical review. [See Attachment]
approv	nany critical facilities have flood response plans that have been developed, reviewed, or yed by the local government? Send a list of critical facilities with flood response that have been developed, reviewed or approved by the local government. [See Attachment
Comment	s:

Community	, .	
Community		

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Community :
612 Impact Adjustment:
Credit points for each element are adjusted to reflect the extent of coverage of the flood warning program. Local governments should describe the impact of their flood warning program using one of the following options.
Option 1:
The flood threat recognition system, the warning dissemination system, and the flood response tasks COVER THE ENTIRE Special Flood Hazard Area (SFHA) YesNo [Remember, the area credited by the flood warning program is the area where the warning program can forecast specific flood conditions in the future. This includes areas where flood elevations and arrival times can be forecast. It does not include areas where the National Weather Service or others can only predict flooding "along streams and low areas."]
Option 2:
If the flood threat recognition system, the warning dissemination system, and the flood response tasks COVER LESS THAN THE ENTIRE SFHA, the local government may use a default value of 0.25 for rFTR, rEWD, and rORE Yes No
Option 3:
Where local flood warning programs COVER MORE THAN 25% OF THE STRUCTURES, BUT NOT ALL OF THE STRUCTURES in the SFHA, the community may use Option 3. Using this option the impact adjustment ratios for FTR, EWD, and ORE are computed by dividing the number of <u>b</u> uildings affected by each element by the total number of buildings in the <u>SF</u> HA (bSF).
rFTR= <u>bFTR</u> = rFTR= = bSF
Comments:

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